



## ATMOSPHERIC MEASUREMENT OF NOXIOUS GASES USING SENSORS - "A.M.O.N.G.U.S."



**SCHOOL:** SEWANHAKA HIGH SCHOOL

**LOCATION:** FLORAL PARK, NY

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Climate change and global warming are existential threats. Our experiment will use an Arduino Mega and various sensors to measure ozone, carbon dioxide, volatile organic compounds, and PM2.5 from the atmosphere in order to aid in climate models and research on reducing greenhouse gas levels. We also will collect image data. The information we collect from our experiment can contribute to understanding how to design a DAC system, which aims to remove greenhouse gases from the atmosphere.